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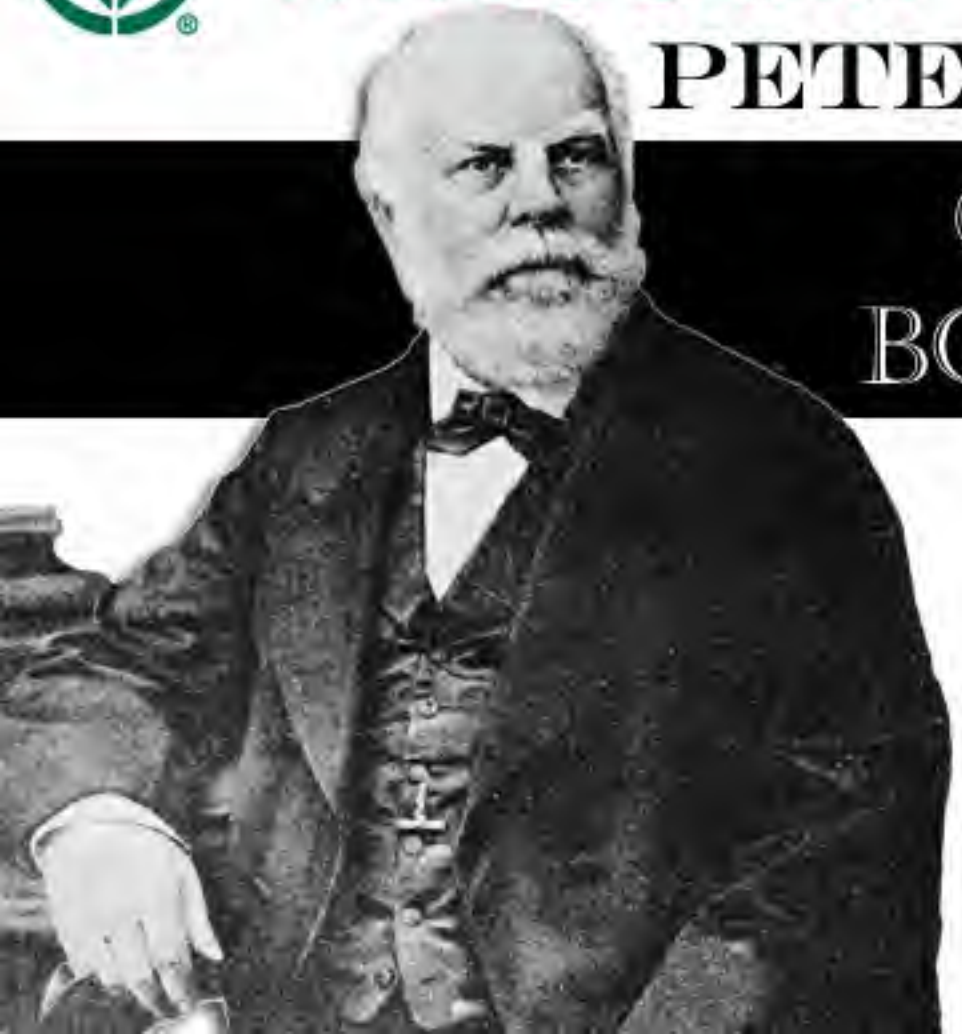

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Agave Maximiliana Jacobi Nachtr II 76
(1871)

is imperfectly described as bearing a
loose spike with opposite flowers
[flowers in pairs ??]

flowers in the axils of
a triangular bract 15 mm long
two smaller lateral ones 5 mm long

A. Virginica has only one lateral one

St. Louis, 187

G. ENGELMANN, M. D.,
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Agave bracteosa Hemsley July 24 1879
San Luis, S Parry 1878
" potosina = A guttata, Jacobi

anth 9-16 mm

16
Stamens above lobes 16 —

"lobes" 14-16 —

tube 4 mm

ovary 6-10 mm

(16)
stamens 30 mm

anthers 9 or 11-16 ?

insertion of filaments below fauces

ovary 6 - 8 - 10 mm
tube 4 mm insertion of filaments 1/3 below, or at fauces
lobes 14 - 16 mm
filaments and style 16 mm above perigon lobes (anthers about 30 mm long)

anthers 9-16 mm

flowers " horribly fetid
Parry "

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APOTHECARY.
No. 2600 Lacledede Ave., S. W. Cor. Jefferson Ave.
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7906

This may be Agave guttata Jac. a Bouch
the following characters may suit Jacobi's
& Parry's form but
leaves pustule, elongated (1–1½') more or
less remote, daply or decurrently cylindrically
channeled, mottled
flowers small (1–1½ inch long) tube funnel form
much shorter (½–¼ as long) than slightly spreading
lobes of perigon; insertion of stamens at base
of lobes to ⅓ down the tube; filaments & style
of length three times as long as lobes; anthers double
½–5–8 lines long

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Agave (Manfreda) March 10 '80

anth 13

immaculata

San Luis Potosi 1 Sign × 10

Wm Schaffner 1879

6

28

12

12

Lobes of stigma short

style above tube 2 34 mm

filaments above tube 28

lobes 12

tube 12

ovary 12 mm

Insertion of stamens in or a little below the fauce.

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Agave (virginali flora) Grn/flora Wrnsly Illustr 10 1880
fol. immaculati
San Luis Potosi
Wm Schaffner 1879

Insertion of filaments
just below the fauces

filaments
above tube 16 mm

lobes 11 mm

tube 6 mm

ovary 10 mm

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Agavae singuliflorae

Iacobi

1	A. Virginica Lin	tubo multo brevior	erecti	stamina supra basin adnata	
2	A. marmorosa Hook	tubuloso multo brevior	patuli,	st. fauci inserti tot. tubo adnati	l. tubo aequi.
* 3	A. Greggii Eng.	ampliato fere longior	reflexi	st. 2/3 adnata	
4	A guttata. Klotzsch	cylindrico duplo longior	erecti.	st. basi adnata	187
5	A. Sapanensis Lindl	cyl. maiquales	reflexi	st. medio tubo adnata	179
* 6	A. variegata Jacobi	ampliato.	aequales	reflexi.	st. toto tubo adnata	180
** 7	A polyacantha Haw. (Schlecht) Cav. Schlecht	tubulos.	aequales	reflexi.	st. toto tubo adnata	184
8	A. revoluta Ploygth	ampliat.	aequali	patul	st. tubo inferiore adnata	189
9	A undulata Klotzsch	ampliat.	fere duplo longior	st. toto fauci adnata	189

* A greggii = variegata Engl. Agave (1875)

** A polyacantha Haw. Chamaeagave Schlecht.

1880. we know 7 of single flower ÷ flower

1. Lobes much shorter than tube
   A. Virginica. marmorosa
2. Lobes equal to tube
   A. Sapanensis A. variegata A. polyacantha
   A. revoluta.
3. Lobes longer than tube
   A. guttata (bracteflora) undulata

1 = 4 6 = 7
3 = 5 = 8

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Agave pubescens Regel & Otto.

Descr. H. nov et. fasc II p. 4
(1875?)

pubescens humilis, foliis undulatis
obtusissimis dense pubescentibus, mucrone
rapo (3-pol.)
Spica simplici lax-flora
perianthii tubo recto subregulato
ovario duplo superante
laciniis revolutis tubo brevioribus
staminibus corolla plus duplo
superantibus
stigm. brevit 3-lobo
flos viridis
pericarpium ovatum 35 mm long

Mexico Royle
Cult St Petersburg

Affinis A. macrosiphon Baker
& A. maculata Regel

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No. ..... B

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Ernest Fasold,

PHARMACEUTIST,

N. W. Cor. Park Ave. & 10th (or South) St.,

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Agave florentes

= herbacea Jacobi p. 183 & 184

Agavae simplicifloræ & subsimplicifloræ app. p. 10 & 11 excl. #2

b Ag. Saponaria Lindley = Hort Kew. Sept 1869 = brachystachys Kunth

see Jacobi p. 179 & 185 Syn. Lindley Mexican Ag.

Ag. mexicana Hook Bot Mag. 1859 t. 5122. My own species & Observ. Jacobi & app. 13

~~consulta Regel Gartenflor VI. 158 & 1857.~~

Agave Verschaffelti L my own specimens

A. Greggii Engelm ined. my own specimens = Saponaria ?

? A. variegata Jacobi p. 180 see also Saunders Ref. bot. V. t. 326

? A. brachystachys Cavan. Jacobi p. 184 Kunth 829

? A. polyacanthoides Jacobi = brachystachys f. Kunth & Jacobi

~~A. spiralis Cavan~~ (A polyacantha Schlecht & Cham) fide Kunth 828 Jacobi 187

A. revoluta Klotzsch Kunth p. 830 Jacobi 189

? A. undulata Klotzsch Kunth p. 830 (no flower known!) Nachtr II 89

? A gutlata Jacobi & Bouche, Jacobi 190. & Nachtr II. 87. Vari— (semi suspensa ? Jacobi (= Polyanthes)

A polyacanthoides Schiede Kunth 828 = note Jacobi 187 very distinct from spiralis to which it is quoted

A. prunosa Lemaire Jacobi 168 evidently also belongs here

A. maculata Regel, Gartenflora VI. p. 158 (1857) Jacobi 171

A. Mailmanni Jacobi Nachtr II. 76.

A pubescens Regel see MS notes in Jacobi's Agaves

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Agave floreatus

Single flower

Jacobi

p. 170 A. maculosa Hook scape 1-1½' over 5‴ tube 2½‴ wide; lobes spreading, oval — stamens as long as lobes

171 A. maculata Regel scape 3' over 1″ perig 1″ stamens four four long exsert.

174 A Wislizeni L scape 4-5' perig 1″ stamens adnate to tube (?)

179 A. Saponaria Link tube cylindric — fl. 1½″ lobes reflexed

180 A variegata Jac scape 3' fl. 1½″ over 5″ tube 5-6‴ 2½‴ ½″ wide lobes 8‴ long reflexed ½‴ wide. stamens from throat, 3 times long as perig

184 A brachystachys Cav. scape 6' fl 1½″ long

189 A revoluta Kl. & C. scape 4' fl. 16-17 l. long, tube cylindric slightly slanted, lobes equal length as tube, stamens from lower part of tube longer than perigon (Hunt)

190 A gutlata Jac. & Bouché scape 3' fl. 12″ long, perig 9‴ tube cylindric half as long as the oblong lanceolate lobes stamens from base of tube

Nachtrage 87. fl. 35 mm long perigon 23 mm, tube 8 mm long 6 mm in diam. lobes 16 mm long; stamens inserted in tube, 45 mm long anthers 14 mm long style 47 mm

Nachtr. 89 A. undulata Kl. fl. 40 mm long perig 30 mm tube 11 mm long 4 mm wide lobes 17 mm stamens adnate to tube 10 mm (thereupon nearly to throat) 45 mm long; anthers 11 mm.

A. pubescens Regel (Baker Agave No 106) fl. 15-18 lines over 5-6 l tube 2 segments, dilated; filaments inserted below the throat 2-2½ inches long, anthers ½ inch. Style overtopping the lobes.

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Agave guttata Jacobi & Bouché = Jacobi Agav. p. 190. Mexico
folia 15–16 pollicem (2 poll lata) fragilia canaliculata – dupliciter
patentissima margine asperiola vel. guttata, recta (non undulata)
scapus 3 – pedalis
flores (sine genitalibus) 12 lin longi ovarium tubo vix longius
perigonium 9 lin longum; tubi tubo cylindrico duplo longiores
erecto – patuli.
stamina basi tubi adnata, perigonium duplo superantia
antherae 6 lin longae

Agave undulata Regel Gartenflor VI. p. 158 (1857 Jacobi p. 171
folia 12 pollicem 1–1½ pll lata procumbentia canaliculata, undulata
scapus 3 – pedalis spica pauciflora
ovarium pollicare
perigonium infundibuliforme pollicare
filamenta tubo adnata longe exserta
Mexico, Karwinski

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Schiede sp. 1831 Kunth 828 ÷ nota

Agave polyanthoides Chan & Schlecht. Lin. 6. 55. Jalapa, Mex.

a A. spicata cui adjungunt Kunth & Jacobi distinctissima

folia linearia (30 poll x 1/4 - 1/2 poll) margine laevia

scapus 6-8 pedalis spica 12-18 pollicaris laxa

flores [seguli] in bracteis subulatis acuminatis axilla cum rigula

Ovarium Lateralis !

folia ?

scapus 6-8 pedalis

flores solitarii

Perianthium basi tubulosum, tubum limbo revoluto aequante,

filamenta fauci inserta, loculis longiora

antherae 6-7 lineares

stigma triangulare.

Schiede, Jacobi Lin. 6. 55

Agave revoluta Klotzsch Gartenzg. 1840 p. 274 Kunth. 830 Jacobi 189

folia lanceolato-lineari planiuscula revoluta margine laeviuscula

5-6 poll long 6-9 lin lata.

scapus 4 pedalis spica densa

flores sessiles bibracteati (bracteis interior lateralis) 16-17 lin longi

tubus parum ampliatus limbo patulo aequilongus

staminum tubo inserne adnata versus medium [tubum] libera

stigma capitellatum

singulis.

exserta

ex Kunth

Agave undulata Kl. Gartenzg. 1840 p. 274 Kunth 830 Jacobi 189

folia revoluta (undulata) ensiformia acuminata recurvata

margine undulato asperula 18 poll x 1 1/4 poll

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Agave Virginica Cobi pentagoni erecti, ~~radix~~ ovati ovato-lanceolati longissimi tubo cavo inferiori, superiori solido, staminibus basi tubi adnati, exserti stylo exserto superantibus.

Agave maculata Cobi pentagoni erecti, petioli ovati ovato duplo longiores tubo cylindrico duplo longiori quam tubus staminibus toto tubo adnati Cobi stylo tubum aequantibus.

Agave Greggii Cobi pentagoni patulo-reflexi oblongi-lineari-oblongi aequantibus, tubo ampliato longioribus, staminibus majori tubi parte adnatis, cum stylo aequilongis exsertis.

Dec 29 1866

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CORNER OF SECOND & WALNUT STREETS,

under Barnum's Hotel,

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℞. Camphorae gr XX

Extr Lign Campechia

gr XXXX

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Agave macrantha Roy Bot Magaz p. 214 (1859)

L. maculosa Hook. Bot Mag 15. 1859 t. 5122

Jacobi Agav. 1864 p. 170

ovario

A. filamentis tubo perigonii toto adnatis lobos elongatos aequantibus.

ovario

Agave Utahensis. L. filamentis tubi perigonii basi adnatis lobos brevibus longe ~~exredentibus~~ ovario tubo ~~tubo~~ que aequilongo

Agave Greggii A.S.p. filamentis tubo perigonii fere toto adnatis lobos tubo aequilongos longissime exredentibus

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I am very sincerely yours,

U. H. Crosby.

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